MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

BR-211

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178944

No. 1st & final. 30.06.2016

Name of work Modified Estimate for Asphalting to main & cross roads SMR Layout Thamaiah Garden Venkatchiwar layout in Ward no-12 of Shettyhalli Sub-Division From To

Name of Contractor or nature of Agency Technical Manager (West) KRIDL Est cost :- 49.90 Lks

Date of commencement of work NO EE/DD/WO/442/12-13 D:- 8/3/13 Se:- 012-13-000023

	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
	2	3	4	5	6	7	8
1-1	Earth work excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.50m excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clody complete as per specifications. Qty vide Pg no. 178936/2 of this M.B.					959.75 cum @ 90=72 Rs- 87069=00	
1-2	Construction of granular Sub-base by providing close graded material mixing in a mechanical mix plant at OMC carriage of mixed material to work site spreading in uniform layers with motor grader on prepared surface and compacting						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1.	2	3	4	5	6	7	
	Qty vide pg no. 178942/2 of this M.B.					5496.705sqm @ 2=59 Rs:- 14247=00	14226=00
I-6	Providing and applying tack coat on the prepared black topped surface at 2.5 kg/10sqm heating bitumen in the boiler fitted with spray set (excluding cleaning of road surface) including cost of all materials, labour, Hire of machinery complete as per specification.					5496.705sqm	98556=00
	Qty vide pg no. 178943/1 of this M.B.					@ 17=93 Rs:- 98545=00	
I-7	Providing and laying bituminous macadam on prepared surface with crushed coarse aggregate as per design mix formula for base/binding course including loading of aggregate with FE. Loader hot mixing of stone aggregate						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178946

No. ..... From ..... To .....

of work .....

of Contractor of nature of Agency.....

of commencement of work.....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
and bitumen in hot mix plants, the mixed materials in tipper to paver and laying mixed materials in tipper to paver with paver finisher to the required level and grade, rolling by power roller to achieve the desired density 50/75mm compacted thickness with 3.3% bitumen but excluding cost of primer tack coat with lead upto 1km including cost of all materials labour Hire of machinery complete as per Specifications MoRTH with 60/70 grade bitumen	10 tonne capacity, transporting and laying mixed material.				159.95cum @ 6733=80 Rs:- 1077071=00	
Qty vide pg no.	178940/2	of this M.B.				

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
I-8.	providing and laying semi dense bituminous concrete With 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour using crushed aggregates of Specified grading premixed with bituminous binder at 4.5 to 5% of mix & filler, transporting the hot mix to work site laying with a hydrostatic Paver finisher with Sensor control to the required grade, level and alignment rolling with Smooth Wheeled vibratory and tandem rollers to achieve the desired compaction as per MoRTH Specification clause No. 500.8 complete in all respects as per specification 25-~~35~~ mm compacted thickness with 5% bitumen 80/100 grade using 40-60 HMP (grading II)						

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178947

No. .....
of work ..... From ..... To .....
of Contractor of nature of Agency.....
of commencement of work.....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	1 ×	30.0 ×	$\frac{8.6+6.5}{2}$	× 0.025	= 5.66 sum	
	1 ×	30.0 ×	$\frac{6.5+5.9}{2}$	× 0.025	= 4.65 sum	
	1 ×	30.0 ×	$\frac{5.9+6.3}{2}$	× 0.025	= 4.58 sum	
	1 ×	30.0 ×	$\frac{6.3+7.3}{2}$	× 0.025	= 5.10 sum	
	1 ×	30.0 ×	$\frac{7.3+12.4}{2}$	× 0.025	= 7.39 sum	
	1 ×	30.0 ×	$\frac{12.4+7.2}{2}$	× 0.025	= 7.35 sum	
	1 ×	30.0 ×	$\frac{7.2+7.0}{2}$	× 0.025	= 5.33 sum	
	1 ×	30.0 ×	$\frac{7.0+7.4}{2}$	× 0.025	= 5.40 sum	
	1 ×	30.0 ×	$\frac{7.4+7.1}{2}$	× 0.025	= 5.44 sum	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	
		1	30.0	(7.1+7.3)/2	0.025	5.40	
		1	30.0	(7.3+7.1)/2	0.025	5.40	
		1	30.0	(7.1+7.1)/2	0.025	5.33	
		1	33.0	(7.1+7.1)/2	0.025	5.86	
		1	30.0	(5.5+5.3)/2	0.025	4.05	
		1	30.0	(5.3+5.1)/2	0.025	3.90	
		1	30.0	(5.1+5.0)/2	0.025	3.79	
		1	30.0	(5.0+5.5)/2	0.025	3.94	
		1	30.0	(5.5+5.3)/2	0.025	4.05	
		1	30.0	(5.3+5.2)/2	0.025	3.94	
		1	30.0	(5.2+5.4)/2	0.025	3.98	

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ಎಸ್.ಎಂ. ರಸ್ತೆ, ರಾಜೀವ್‌ಗಾಂಧಿನಗರ, ಬೆಂಗಳೂರು-560 064

M. A. R. 57 (Rule 116)
Measurement Book

No. B

178948

No. ..... From ..... To .....

of work .....

of Contractor of nature of Agency.....

of commencement of work.....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
	1	30.0	(5.4+5.9)/2	0.025	4.24	
	1	30.0	(5.9+5.8)/2	0.025	4.39	
	1	30.0	(5.8+5.7)/2	0.025	4.31	
	1	25.0	(5.7+5.9)/2	0.025	3.63	
	1	30.0	(4.5+5.8)/2	0.025	3.86	
	1	30.0	(5.8+5.3)/2	0.025	4.16	
	1	30.0	(5.3+5.2)/2	0.025	3.94	
	1	30.0	(5.2+5.1)/2	0.025	3.86	

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಎಸ್.ಎಂ. ರಸ್ತೆ, ರಾಜೀವ್‌ಗಾಂಧಿನಗರ, ಬೆಂಗಳೂರು-560 064

MEASUREMENT BOOK

M. A. R. 57 (Rule 116) Measurement Book No. B

178949

Audited and Admitted Rs. 4940795=00

Passed by Cheque for Rs. 4283128=00

(..... From ..... To .....)

No. .....

of work .....

of Contractor or nature of Agency.....

of commencement of work.....

Accounts Superintendent

Exe. Engineer

B.B.M.P. Dasarahalli Division

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1 × 30.0 ×	5.1+5.2 / 2	× 0.025	=	3.86 cum	
		1 × 30.0 ×	5.2+6.0 / 2	× 0.025	=	4.20 cum	
		~~1 × 30.0 ×~~	~~2~~			3.89 cum	
		1 × 26.40 ×	6.0+5.8 / 2	× 0.025	=	~~5.59 cum~~	
		1 × 30.0 ×	7.5+7.4 / 2	× 0.025	=	5.59 cum	
		1 × 30.0 ×	7.1+7.2 / 2	× 0.025	=	5.48 cum	
		1 × 30.0 ×	7.2+7.0 / 2	× 0.025	=	5.33 cum	
		1 × 30.0 ×	7.0+7.0 / 2	× 0.025	=	5.25 cum	
		1 × 30.0 ×	7.0+6.8 / 2	× 0.025	=	5.21 cum	
		1 × 26.20 ×	6.8+6.9 / 2	× 0.025	=	4.49 cum	
						170.34 cum	
					Qty Ltd	168.92 cum	
					@	10436=00	1762832

1762849=00

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
2	3	4	5	6	7	8
7- 1 carriage of mixed material 10 kms for item of Sl no 5.20 per cum/km. Qty vide item no (8) + (7)					159.95 + 168.92 = 328.87	
10 Disposal of debris to the final place of disposal with all lead & lift and as direction by the engineer in charge of work Qty vide item no (1)					959.75 cum	
					914.0 cum	
					@ 72=71	6645700
					Ns = 17619=00	
					= 313.73 cum	
					@ 56=16	
					Ns = 17619=00	

Cld & Rl

Qty Ltd to 914.0 cum

Qty vide item no (1) 959.75 cum

Qty Ltd to 914.0 cum @ 72=71 Ns = 66457=00

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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4491632=00
449163=00
4491680=00
4940795=00
4940850=00
4985765=00

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	

Certificate

1) certified that contractor has done the work satisfactory.
2) certified that contractor has removed all debris from work spot
3) certified that there is no due work from contractor side.

Rasul.N.K.
29/6/2016.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
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M. A. R. 57 (Rule 116)
Measurement Book

No. B

178950

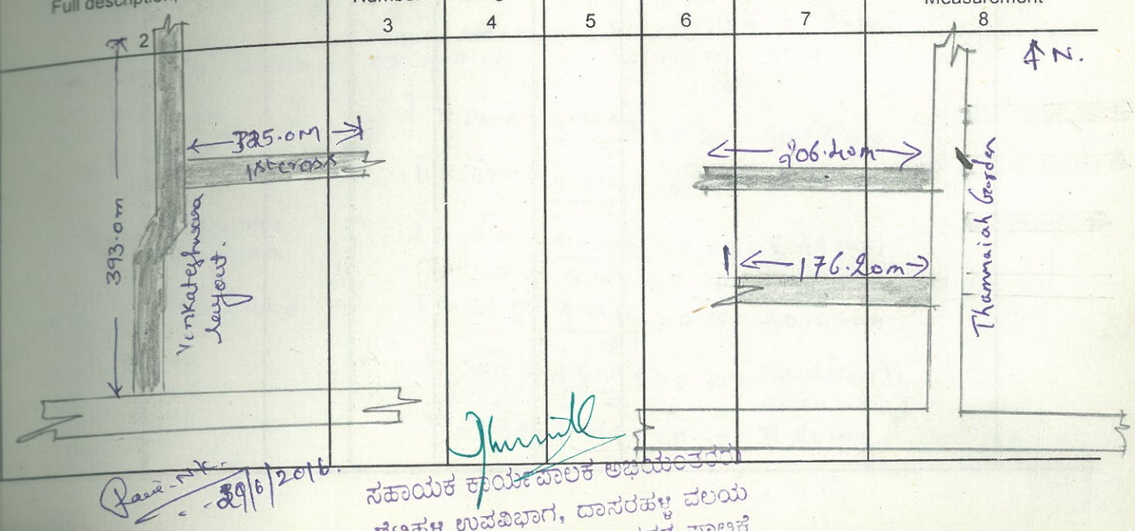
No. ..... From ..... To .....

e of work .....

e of Contractor of nature of Agency.....

of commencement of work.....

Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
	Number	Length	Breadth	Depth		
	3	4	5	6	7	8



Rasul.N.K.
29/6/2016.

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ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ